UNITED STATES THREEMILE BUTTES QUADRANGLE **OPEN FILE REPORT 79-100** DEPARTMENT OF THE INTERIOR MONTANA-POWDER RIVER CO. PLATE, 11 OF 52 GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 4875 III SW (HOME CREEK BUTTE) 106°00′ 45°30′ 12 OPEN-FILE REPORT R. 46 E. R. 47 E. This report has not been edited for conformity with 11 U.S. Geological Survey editorial standards or stratigraphic nomenclature. **EXPLANATION** --- 200---OVERBURDEN ISOPACH-Showing thickness of over-13 13 18 17 burden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m). BOUNDARY OF COAL 5 FEET OR MORE THICK— Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick. 0 43 DRILL HOLE—Showing thickness of overburden, in feet, 24 from the surface to the top of the coal bed. 24 20 21 19 MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit. To convert feet to meters, multiply feet by 0.3048. 27"30" 27'30" 25 29 28 25 30 36 13 18 30 UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE THREEMILE BUTTES QUADRANGLE, POWDER RIVER COUNTY, MONTANA